

FITZGIBBONS

STEEL BOILERS

BOILER-AIR CONDITIONER

FITZGIBBON AIRE

OIL-EIGHTY AUTOMATIC

COAL-EIGHTY AUTOMATIC

R Z U ^{JR} BOILER

R Z U BOILER

POWER BOILERS



1938 EDITION

Fitzgibbons Boiler Company, Inc.

General Office and Show Rooms: Architects Bldg., 101 Park Avenue, New York, N. Y.

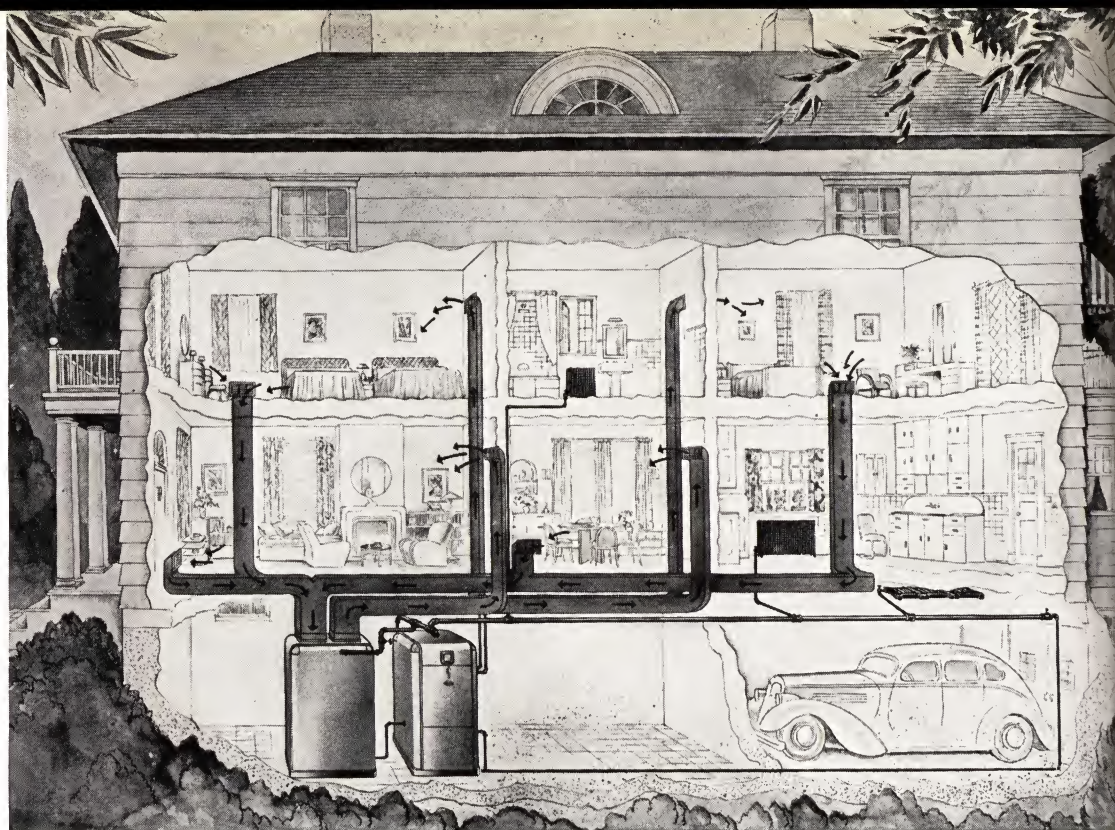
Works: Oswego, N. Y.

BRANCHES AND REPRESENTATIVES IN PRINCIPAL CITIES

FOR HEATING AND AIR CONDITIONING

The
"SPLIT SYSTEM"

AIR CONDITIONER
THE MODERN WAY
TO HEAT YOUR HOME
AND FURNISH YEAR
'ROUND HOT WATER



A DIAGRAMATIC ILLUSTRATION OF TYPICAL SPLIT SYSTEM

Note Ducts to Principal Rooms and Radiators to Minor Rooms

**TYPES OF FITZGIBBONS APPARATUS FOR SPLIT SYSTEMS OF
AIR CONDITIONING SERVICE**

For NEW or OLD BUILDINGS

COMPLETE BOILER AND AIR CONDITIONING UNIT

The Boiler Air Conditioner combines within one stream-lined jacket all the functions of conditioned air, boiler radiator heat and domestic hot water supply. The jacket, in most cases, conceals the firing unit also, in the space provided, as shown in the broken away view on the following page. Therefore, the oil burner, gas burner or stoker may be enclosed within the jacket out of view and out of the way of possible injury through inexperienced tinkering. The Boiler Air Conditioner is equipped with the Fitzgibbons Tanksaver, the submerged copper coil which furnishes a plentiful supply of domestic hot water in Summer and Winter without the necessity for a storage tank.

FLOOR TYPE OF AIR CONDITIONING UNIT SEPARATE FROM BOILER

The Fitzgibbonsaire is an air conditioner floor unit which works in tandem with the Fitzgibbons Steel Boiler for oil, gas or stoker firing. This unit is often used to add air conditioning to a home already constructed, or in a new home where it is desirable to locate the air conditioning in one part of the basement, and the heating boiler in another. The operation of this unit is similar to that of the Boiler Air Conditioner previously described. Domestic hot water supply may be furnished with this type of installation as well, since the boiler may be equipped with the Fitzgibbons Tanksaver.

CEILING TYPE OF AIR CONDITIONING UNIT FOR SELECTED ROOMS

The Fitzgibbonsaire Junior is a ceiling type conditioner which extends the scope of air conditioning to homes that are already equipped with Fitzgibbons boilers, the subdivision of the house into air conditioned spaces and radiator heated spaces, and the zoning of heating with a home where it is desirable to place a number of units, all receiving their source of heat from the same boiler. Its chief advantages are that it is light in weight; quickly and easily installed; is suspended from the ceiling and takes up no floor space, and may be used in homes now equipped with hot water or steam heating systems. Furthermore, it can be adapted to Summer cooling by the simple installation of an additional coil.

FITZGIBBONS BOILER-AIR CONDITIONER

Before you select any system of air conditioning, it is well to know all that air conditioning can give you—all that the term may cover. For air conditioning may mean nothing but the supplying of dead, common, baked air more or less humidified; or it may mean a broad combination of services, which brings to the home of your client comfort, healthfulness and convenience. The latter type of air conditioning costs so little more at first, and actually saves so much in operation, that its greater services should be seriously considered before purchasing a cheaper job. This system of air conditioning is the "Split-System" which means first of all, correctly conditioned air properly humidified, thoroughly cleaned, adequately heated and evenly circulated. In addition to this, it means domestic hot water supply tanklessly and instantaneously, Summer and Winter, and the ability to use the source of heat for steam or vapor or hot water radiator heating in such rooms as kitchen, laundry, bath and garage, where, for obvious reasons, it is not practical to recirculate the air. This is best shown on the illustration on the preceding page. The Fitzgibbons Boiler Air Conditioner is one of such units and is described as follows:

FEATURES

Copper-Steel Construction—Entire boiler built of copper-bearing steel, assuring long life, durability and satisfactory heating service. Unit is shipped complete; quickly and easily installed. For the following features, refer to the numbered drawing below.

1. **Heat Exchanger**—Copper tube and copper fin type heating coil designed to heat air passing through it to required temperature with minimum resistance.

2. **Tanksaver**—Submerged instantaneous domestic copper coil, giving abundant hot water summer and winter without necessity of installing storage tank. Copper construction assures clean hot water together with maximum efficiency and economy.

3. **Aquastat Tapping**—Tapping in boiler provided for use of aquastat to control oil burner, gas burner or stoker for summer operation for domestic hot water heating.

4. **Perfect Combustion**—Combustion chamber specially designed for efficient use. Volume of combustion chamber insures plenty of space for fuel to burn completely.

5. **Any Oil Burner, Gas Burner or Stoker**—Oil burner, gas burner or stoker in present heating system or any one selected will find ideal conditions under which to operate. No matter what the heat unit, this Fitzgibbons boiler will do its full share.

6. **Large Number of Fire Tubes**—After gases have given up most of their heat to water surrounding combustion chamber, they pass through large number of small-diameter, copper-bearing steel tubes. These extract a large percentage of heat from the gases before they are allowed to pass into chimney, further contributing to boiler efficiency and low fuel cost.

7. **Rear Door**—Provides for easy inspection of rear end of boiler and gives ample space for cleaning tubes.

8. **Combustrol (Combustion Control)**—This unit, a swinging air control in rear of boiler, maintains draft in boiler at regular rate and contributes to steady burning of fuel.

9. **Silencer**—Muffles combustion sounds and insures quiet.

10. **Thermalizer**—This device controls flow of gases through boiler so they are kept in boiler as long as possible and made to give up every available heat unit. It also counterbalances effect of varying draft conditions and contributes to steady operation of burner flame.

11. **Insulation**—Boiler is insulated with highly efficient, sound-deadening insulation beneath attractive baked-enamel metal jacket, with chromium trimmings and large access doors.

12. **Motor**—Capacitor start, induction run for quiet operation. Bearings need oiling only once a year. Resilient-mounted, with variable tension control for V-belt pulley drive to fan.

13. **Filters**—Spun glass, impregnated with oil. Easily removed and inexpensively replaced.

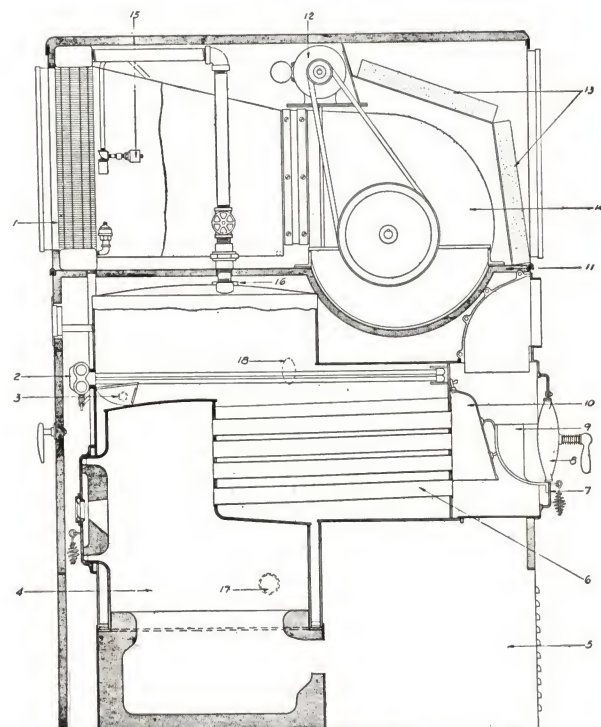
14. **Fan**—Double inlet squirrel-cage type, designed to operate at slow speeds for maximum air delivery. Blower mounted on sound-absorbing base and thermo-porous bronze bearings require oiling only once a year.

15. **Humidifier and Controls**—Spray nozzle type with "self-cleaning" feature, controlled by humidistat. Other controls furnished with equipment are: reverse acting pressure switch, summer-winter switch and plate, low water cutoff, solenoid valve.

16. **Steam Radiator Connections**—2" steam outlets for connection of radiation to be heated by steam.

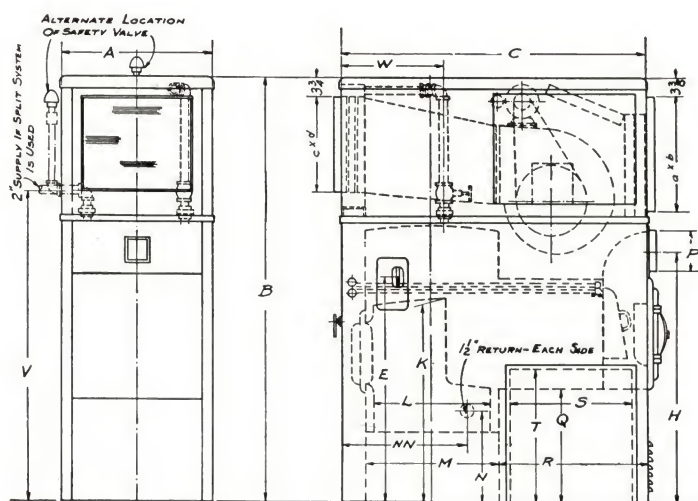
17. **Return Radiator Connections**—1½" return outlets for connection of radiation to be heated by steam.

18. **Low Water Cut-Off Tapping**—2½" tapping for installation of low water cut-off.



Reference Numbers

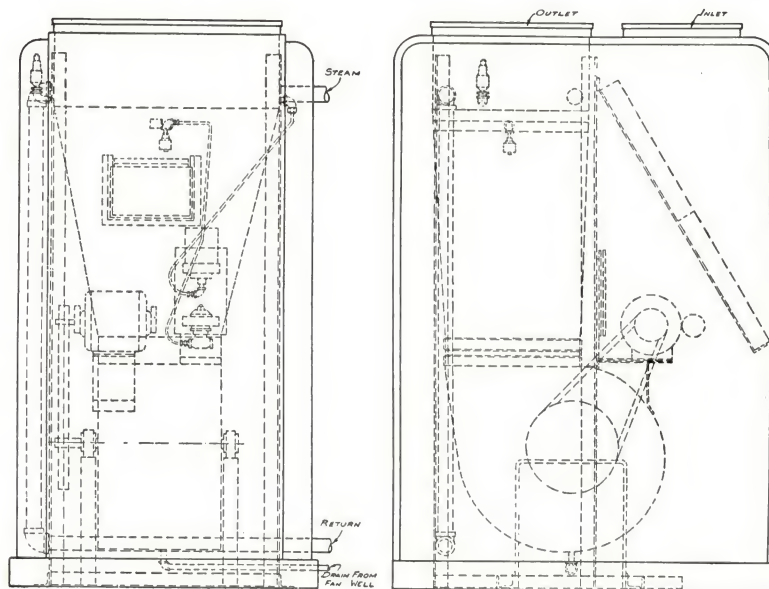
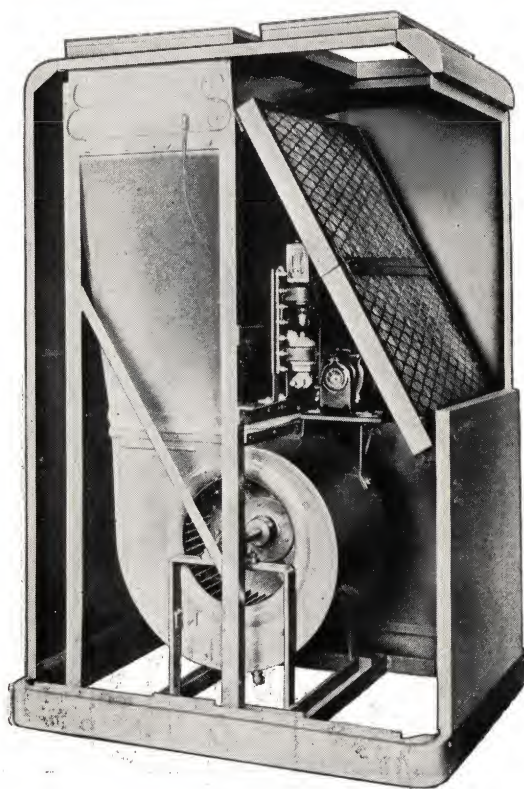
RATINGS & DIMENSIONS OF THE BOILER-AIR CONDITIONER



Fitzgibbons Boiler-Air Conditioner		130M2	130M3	163M2	163M3
Boiler Capacity	B.T.U.	129600	129600	163200	163200
Exchanger Capacity	B.T.U.	102000	129300	128700	163100
Temperature at Outlet Based on 65° Inlet	Degrees	140°	160°	140°	160°
Fan Capacity 1/4" S. P.	C.F.M.	1260	1260	1590	1590
Fan	R.P.M.	657	725	569	632
Motor Size	H.P.	1/2	1/2	1/2	1/2
Domestic Hot Water Gals.					
Saver Capacity	Hr.	170	170	220	220
Width—Bare Boiler	In.	23 1/2	23 1/2	26 1/2	26 1/2
A—Width Overall	In.	26	26	29	29
B—Height Overall	In.	73 3/4	73 3/4	81 7/8	81 7/8
C—Length	In.	52 3/4	52 3/4	55 3/4	55 3/4
E—Water Line	In.	40 3/4	40 3/4	43 1/4	43 1/4
H—Height Smoke Outlet	In.	43 3/4	43 3/4	48 1/4	48 1/4
K—Comb. Chamber (Gun Burner)	In.	34 1/4	34 1/4	38 1/4	38 1/4
L—Diameter	In.	20 3/8	20 3/8	23 3/8	23 3/8
M—Base Depth	In.	23 1/2	23 1/2	26 1/2	26 1/2
N—Height of Return	In.	14 3/4	14 3/4	15	15
NN—Location of Return	In.	22 3/8	22 3/8	24 3/8	24 3/8
P—Size of Smoke Pipe	In.	8	8	8	8
Q—Floor to Hor. Shell	In.	19 3/4	19 3/4	21 1/4	21 1/4
R—Base to Rear of Jacket	In.	24 3/4	24 3/4	25 1/8	25 1/8
S—Width of Jacket Opening	In.	21	21	21	21
T—Height of Jacket Opening	In.	26	26	26	26
V—Height of Steam Outlet	In.	55 1/2	55 1/2	60	60
W—Location 2" Supply (Split System)	In.	18 3/4	18 3/4	19 7/8	19 7/8
axb—Air Inlet	In.	19 1/2 x 21 1/2	19 1/2 x 21 1/2	23 1/2 x 24 1/2	23 1/2 x 24 1/2
exd—Air Outlet	In.	15 x 21	15 x 21	18 x 21	18 x 21
Diam. Chimney	In.	8	8	8	8
Height Chimney	Ft.	25	25	30	30
Approx. Shipping Weight	Lbs.	1575	1615	1800	1850

THE FITZGIBBONSAIRE — For "Split-Systems"—A Floor Unit for Use with Automatically Fired Boilers

Designed especially for the popular "split-system" method of air conditioning—the combination of air conditioning in selected rooms and boiler-radiator heat elsewhere in the house—the Fitzgibbonsaire is a floor unit air conditioner for installation with Fitzgibbons Boilers for oil, gas or stoker firing. It is compact, silent, sturdily constructed and attractively finished. Its design permits its location in any desirable place in the basement plan, regardless of boiler location. It is built in a range of sizes adaptable to practically any residential requirement.



FITZGIBBONSAIRE FOR STEAM

Fitzgibbonsaire		91	146	213	292	364	116	185	270	369	462
Exchanger Capacity	B.T.U.	91300	145800	212800	291600	364500	115700	184600	269600	369300	461700
E. D. R. Steam	Sq. Ft.	380	607	886	1215	1518	482	769	1123	1538	1923
Fan Capacity—1/4" Static	C.F.M.	1128	1800	2628	3600	4500	1128	1800	2628	3600	4500
Air Temp. Based on 65° Inlet	Degrees	140	140	140	140	140	160	160	160	160	160
Fan Speed	R.P.M.	662	558	656	558	526	738	620	720	620	576
Fan Size	In.	1	1 1/8	2-1	2-1 1/8	2-1 1/4	1	1 1/8	2-1	2-1 1/8	2-1 1/4
Motor Size	H.P.	1/2	1/2	3/4	1	1 1/4	1/2	1/2	3/4	1	1 1/4
Steam Conn.	In.	1-1 1/2	1-1 1/2	2-1 1/2	2-1 1/2	2-1 1/2	1-1 1/2	1-2	2-2 1/2	2-2 1/2	2-2 1/2
Return Conn.	In.	1	1 1/4	1 1/4	1 1/4	1 1/4	1	1 1/2	1 1/2	1 1/2	1 1/2
Height Steam Conn.	In.	51 7/8	54 7/8	54 7/8	57 7/8	65 3/8	51 7/8	54 7/8	54 7/8	57 7/8	65 3/8
Air Intake Size	In.	12 x 23 1/2	12 x 29 1/2	12 x 47 1/2	12 x 53 1/2	15 x 65 1/2	12 x 23 1/2	12 x 29 1/2	12 x 47 1/2	12 x 53 1/2	15 x 65 1/2
Air Discharge Size	In.	16 1/2 x 23 1/2	19 1/2 x 29 1/2	16 1/2 x 47 1/2	19 1/2 x 53 1/2	23 1/2 x 65 1/2	16 1/2 x 23 1/2	19 1/2 x 29 1/2	16 1/2 x 47 1/2	19 1/2 x 53 1/2	23 1/2 x 65 1/2
Height Overall	In.	58 1/2	61 1/2	61 1/2	64 1/2	72 1/2	58 1/2	61 1/2	61 1/2	64 1/2	72 1/2
Width Overall	In.	32 1/2	38 1/2	50 1/2	62 1/2	74 1/2	32 1/2	38 1/2	50 1/2	62 1/2	74 1/2
Length Overall	In.	39 1/2	42 1/2	39 1/2	42 1/2	45 1/2	39 1/2	42 1/2	39 1/2	42 1/2	45 1/2
Approx. Shipping Weight	Lbs.	500	600	800	950	1100	550	650	875	1050	1200

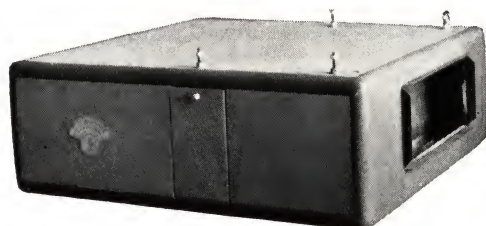
Based on Steam at 5 Lbs. Pressure.

FITZGIBBONSAIRE FOR HOT WATER

Fitzgibbonsaire		116-W	185-W	270-W	369-W	462-W	Fitzgibbonsaire	116-W	185-W	270-W	369-W	462-W	
Exhausting Capacity.....	B.t.u.	79185	126360	198677	291600	364500	Fan Size.....	No.	1	1½	2-1	2-1½	2-1¼
E. D. R. Hot Water.....	Sq. Ft.	528	842	1324	1944	2433	Motor Size.....	H.p.	½	¾	1	1	1
Fan Capacity—¼" Static...	C.F.M.	1128	1800	2628	3600	4500	Inlet Coil Conn.....	In.	1-1½	1-2	2-2	2-2½	2-2½
Air Temp. Based on 65° Inlet	Degr's	130	130	135	140	140	Return Coil Conn.....	In.	1-1½	1-2	2-2	2-2½	2-2½
Air Velocity.....	F.P.M.	600	600	600	600	600	Height Coil Conn.....	In.	51½	54½	54½	57½	65½
Inlet Hot Water Temp.....	Degr's	200	200	200	200	200	Air Intake Size.....	In.	12x23½	12x29½	12x47½	12x53½	15x65½
Outlet Hot Water Temp.....	Degr's	192	190	188	189	187	Air Discharge Size.....	In.	16½x23½	19½x29½	16½x41½	19½x53½	19½x65½
Water Thru Coil.....	G.P.M.	19.8	25.3	33.1	53.0	56.1	Height Overall.....	In.	58½	61½	61½	64½	72
Water Velocity.....	F.P.M.	49.5	52.4	82.8	109.7	116.1	Width Overall.....	In.	32½	38½	56½	62½	74½
Water Pressure Loss, Lbs...	Sq. In.	0.18	0.26	0.45	0.96	1.06	Length Overall.....	In.	39½	42½	39½	42½	45½
Fan Speed.....	R.P.M.	738	620	720	620	576	Approx. Shipping Weight	Lbs.	550	650	875	1050	1200

FITZGIBBONSAIRE JUNIOR AIR CONDITIONERS

for SELECTED ROOMS



AIR CONDITIONING UNIT—Complete, includes casing with hanger bolts, filters, fans with diffusers, heating coil and air valve, humidifier with heater and drip cock, water strainer, pressure reducing valve, solenoid valve, drain pan, thermal fan control, safety thermal main switch, air circulation switch, transformer and fan motor for 110 volt, 60 cycle, single phase.

Connections to the unit consist of a steam supply and return, water supply to the humidifier, humidifier overflow and dehumidifier drain, and electrical service connection to control box. Sheet metal connections consist of supply and return ducts.

The Fitzgibbonsaire Junior Air Conditioning Unit extends the scope of domestic air conditioning to:

1. **FOR HOMES ALREADY EQUIPPED WITH FITZGIBBONS BOILERS.** No limitation is placed to existing boilers except that the water line must not be too high to prevent satisfactory return of condensate to the boiler.
By means of duct work, old houses may be provided with air conditioning in a given number of rooms.
2. **SUB-DIVISION OF THE HOUSE INTO AIR CONDITIONED SPACES AND HEATED SPACES.** The unit permits complete air conditioning in selected rooms of the house; and the heating by direct radiation of garage, baths and kitchens and other rooms, which for obvious reasons, do not require air conditioning.
3. **ZONING—MULTIPLE UNITS.** The idea of zoning extends also to the use of more than one unit supplied by a single boiler, as well as to the "split" system. The unit can be used in conjunction with our larger Air Conditioners for zone control. Such use of multiple units is frequently practical when construction costs and space limitations make the use of large units impracticable.

COMBINATIONS

Humidifying Only		Heating and Humidifying	
Humidifying	Filtering	Humidifying	Filtering
Tempering	Circulating	Heating	Circulating
1. Humidifier 2. Humidifier 3. Humidifier 4. Humidifier 5. Humidifier 6. Humidifier 7. Humidifier 8. Humidifier 9. Humidifier 10. Humidifier 11. Humidifier 12. Humidifier 13. Humidifier 14. Humidifier 15. Humidifier 16. Humidifier 17. Humidifier 18. Humidifier 19. Humidifier 20. Humidifier 21. Humidifier 22. Humidifier 23. Humidifier 24. Humidifier 25. Humidifier 26. Humidifier 27. Humidifier 28. Humidifier 29. Humidifier 30. Humidifier 31. Humidifier 32. Humidifier 33. Humidifier 34. Humidifier 35. Humidifier 36. Humidifier 37. Humidifier 38. Humidifier 39. Humidifier 40. Humidifier 41. Humidifier 42. Humidifier 43. Humidifier 44. Humidifier 45. Humidifier 46. Humidifier 47. Humidifier 48. Humidifier 49. Humidifier 50. Humidifier 51. Humidifier 52. Humidifier 53. Humidifier 54. Humidifier 55. Humidifier 56. Humidifier 57. Humidifier 58. Humidifier 59. Humidifier 60. Humidifier 61. Humidifier 62. Humidifier 63. Humidifier 64. Humidifier 65. Humidifier 66. Humidifier 67. Humidifier 68. Humidifier 69. Humidifier 70. Humidifier 71. Humidifier 72. Humidifier 73. Humidifier 74. Humidifier 75. Humidifier 76. Humidifier 77. Humidifier 78. Humidifier 79. Humidifier 80. Humidifier 81. Humidifier 82. Humidifier 83. Humidifier 84. Humidifier 85. Humidifier 86. Humidifier 87. Humidifier 88. Humidifier 89. Humidifier 90. Humidifier 91. Humidifier 92. Humidifier 93. Humidifier 94. Humidifier 95. Humidifier 96. Humidifier 97. Humidifier 98. Humidifier 99. Humidifier 100. Humidifier	1. Filter 2. Filter 3. Filter 4. Filter 5. Filter 6. Filter 7. Filter 8. Filter 9. Filter 10. Filter 11. Filter 12. Filter 13. Filter 14. Filter 15. Filter 16. Filter 17. Filter 18. Filter 19. Filter 20. Filter 21. Filter 22. Filter 23. Filter 24. Filter 25. Filter 26. Filter 27. Filter 28. Filter 29. Filter 30. Filter 31. Filter 32. Filter 33. Filter 34. Filter 35. Filter 36. Filter 37. Filter 38. Filter 39. Filter 40. Filter 41. Filter 42. Filter 43. Filter 44. Filter 45. Filter 46. Filter 47. Filter 48. Filter 49. Filter 50. Filter 51. Filter 52. Filter 53. Filter 54. Filter 55. Filter 56. Filter 57. Filter 58. Filter 59. Filter 60. Filter 61. Filter 62. Filter 63. Filter 64. Filter 65. Filter 66. Filter 67. Filter 68. Filter 69. Filter 70. Filter 71. Filter 72. Filter 73. Filter 74. Filter 75. Filter 76. Filter 77. Filter 78. Filter 79. Filter 80. Filter 81. Filter 82. Filter 83. Filter 84. Filter 85. Filter 86. Filter 87. Filter 88. Filter 89. Filter 90. Filter 91. Filter 92. Filter 93. Filter 94. Filter 95. Filter 96. Filter 97. Filter 98. Filter 99. Filter 100. Filter	1. Heater 2. Heater 3. Heater 4. Heater 5. Heater 6. Heater 7. Heater 8. Heater 9. Heater 10. Heater 11. Heater 12. Heater 13. Heater 14. Heater 15. Heater 16. Heater 17. Heater 18. Heater 19. Heater 20. Heater 21. Heater 22. Heater 23. Heater 24. Heater 25. Heater 26. Heater 27. Heater 28. Heater 29. Heater 30. Heater 31. Heater 32. Heater 33. Heater 34. Heater 35. Heater 36. Heater 37. Heater 38. Heater 39. Heater 40. Heater 41. Heater 42. Heater 43. Heater 44. Heater 45. Heater 46. Heater 47. Heater 48. Heater 49. Heater 50. Heater 51. Heater 52. Heater 53. Heater 54. Heater 55. Heater 56. Heater 57. Heater 58. Heater 59. Heater 60. Heater 61. Heater 62. Heater 63. Heater 64. Heater 65. Heater 66. Heater 67. Heater 68. Heater 69. Heater 70. Heater 71. Heater 72. Heater 73. Heater 74. Heater 75. Heater 76. Heater 77. Heater 78. Heater 79. Heater 80. Heater 81. Heater 82. Heater 83. Heater 84. Heater 85. Heater 86. Heater 87. Heater 88. Heater 89. Heater 90. Heater 91. Heater 92. Heater 93. Heater 94. Heater 95. Heater 96. Heater 97. Heater 98. Heater 99. Heater 100. Heater	1. Filter 2. Filter 3. Filter 4. Filter 5. Filter 6. Filter 7. Filter 8. Filter 9. Filter 10. Filter 11. Filter 12. Filter 13. Filter 14. Filter 15. Filter 16. Filter 17. Filter 18. Filter 19. Filter 20. Filter 21. Filter 22. Filter 23. Filter 24. Filter 25. Filter 26. Filter 27. Filter 28. Filter 29. Filter 30. Filter 31. Filter 32. Filter 33. Filter 34. Filter 35. Filter 36. Filter 37. Filter 38. Filter 39. Filter 40. Filter 41. Filter 42. Filter 43. Filter 44. Filter 45. Filter 46. Filter 47. Filter 48. Filter 49. Filter 50. Filter 51. Filter 52. Filter 53. Filter 54. Filter 55. Filter 56. Filter 57. Filter 58. Filter 59. Filter 60. Filter 61. Filter 62. Filter 63. Filter 64. Filter 65. Filter 66. Filter 67. Filter 68. Filter 69. Filter 70. Filter 71. Filter 72. Filter 73. Filter 74. Filter 75. Filter 76. Filter 77. Filter

Light in weight . . . quickly and easily installed.

Suspended from the ceiling, it takes up no floor space.

May be used in homes now equipped with hot water or steam heating systems.

SUMMER COOLING

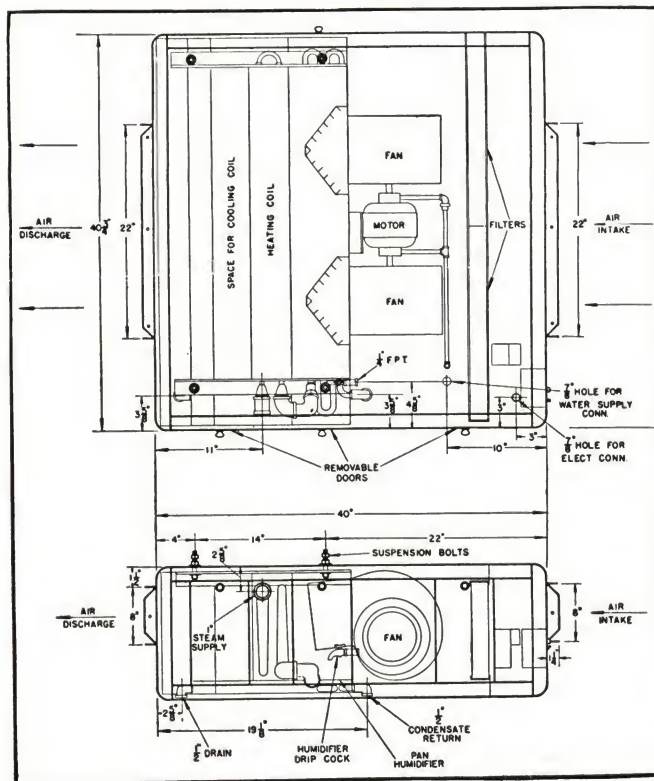
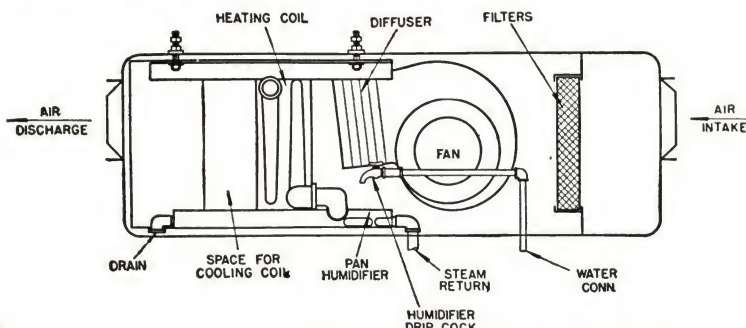
Conditioning for comfort in summer is obtained by inserting a cooling coil in the space provided. The air is cooled and dehumidified by passing over this coil. A refrigeration compressor is connected to the coil. Freon is the refrigerant used in this direct expansion system. Coils for cold water circulation are also available.

In order to obtain summer cooling and dehumidifying with this unit, it is necessary to add the following:

1. Cooling coil.
2. Supply and return refrigerant lines with required valves for cooling.
3. Refrigeration compressor, Freon refrigerant, for connection to cooling coil.
4. Controls, which are separate from the controls used for the heating function.

OPERATING CYCLE

Return air is drawn from the building through a duct connected to the air intake of the Conditioner. It passes through the filters, enters the fan and is discharged through the heating coil into the supply duct, which distributes it to the various rooms. As it passes the humidifier, the air picks up water vapor. Heat for the vaporization of water is supplied by a steam coil which is an integral part of the humidifier. Water is supplied to the humidifier by means of a drip cock, which is manually adjusted.



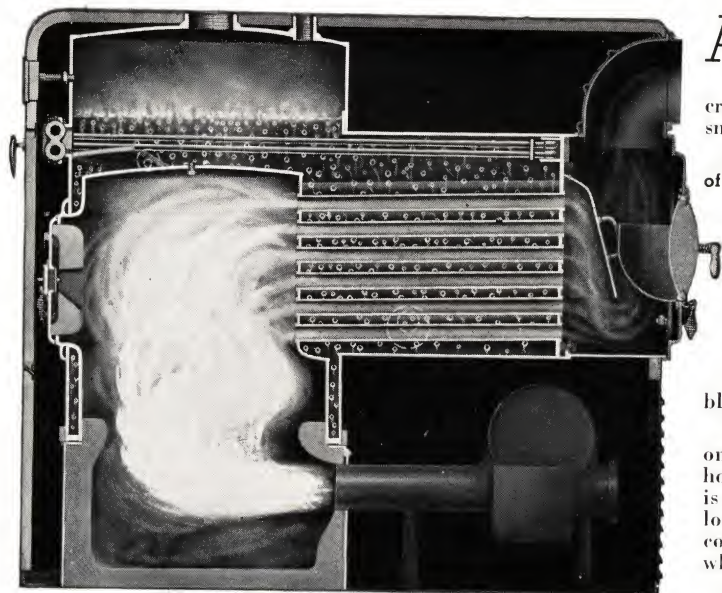
RATINGS AND CAPACITIES
HEATING AND TEMPERING
 Based on 2-lb Steam or 220° Hot Water*

Type	Heating	Tempering
Fan Speed in r.p.m.	870	870
Air Capacity in c.f.m. at 70° F.	450	550
Air Capacity in c.f.m. at Final Temperature	530	610
Output in B.t.u. per Hr.	48700	35500
External Static Pressure available in In. Water	.06	.06
Temperature of Air at Discharge in °F.	170	130
Motor Horsepower	1/30	1/30
Water Evaporated Gal. per Hr.	8.4	8.4
lb. per Hr.	1	1

*Forced circulation and 220° water necessary with hot water systems, to maintain capacities.

The above ratings are for 60 cycle current.

The FITZGIBBONS OIL-EIGHTY AUTOMATIC BOILER



FOR USE WITH ANY GOOD OIL BURNER

Here is a graceful, efficient and economical domestic heating boiler that combines with any good oil burner—gun or rotary type—to form a heating unit of outstanding merit. It insures these advantages—economical oil heat; provision for protected controls; and all-year hot water. In its design, every economy principle developed in large boiler building was rigidly adhered to—as is evident by study of the following.

FEATURES

Fitzgibbons Copper-Steel Construction—Which combines strength and resiliency with life-time, crack-proof, rust-resisting durability.

Exceptionally High Combustion Chamber—Provides ample room for complete combustion of gases without impingement against

crown sheet, even with long-flame fuels. This contributes to smokeless operation and makes it unnecessary to raise the boiler.

Complete Combustion, Efficient Heat Transfer and Quick Pick-up of Heating Load—Are assured by these exclusive features:

Completely Enclosed Down to Floor—This, with thickly insulated steel jacket, prevents escape of fly ash and confines heat inside boiler—a real advantage for summer hot water operation.

Machine Finished and Gasket-Sealed Doors—Prevent dust and coal dust from escaping and aid combustion by excluding excess air.

Easy to Install—Because it comes as a unit, requiring no assembly on the job other than the jacket.

Two Aquastat Tappings—While only one aquastat is required on steam or vapor installations, two aquastats are essential on a hot water boiler where a Tanksaver is used. The upper aquastat is of the "immersion" type for summer hot water control. The lower is a reverse acting aquastat wired to the circulator pump controlling its operation. This prevents lag in heating the water when house calls for heat and Tanksaver is in use.

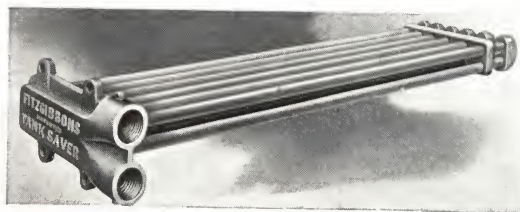
Easy to Clean—All combustion surfaces, including straight, unobstructed fire tubes, are readily accessible through large front or rear doors.

Stokers Can Be Installed in Rear or on Either Side—Which leaves front door clear for cleaning boiler.

Twelve Sizes—These make it possible to meet the exact heating needs of any residence, large or small.

Hot Water Supply

Year 'round, clean hot water, economically supplied, without storage tank, by Fitzgibbons Tanksaver illustrated below.



The FITZGIBBONS COAL-EIGHTY AUTOMATIC BOILER

FOR ANTHRACITE STOKER FIRING IN RESIDENCES

A thorough survey of domestic stoker requirements formed the basis for the design of this boiler. As a result, it satisfies every need from the standpoint of both installation and operation—is a perfect team-mate for any domestic stoker burning anthracite.

Check the following summary of features, and you will find it includes everything that could be asked for in a boiler for domestic stoker firing.

Anthracite Institute Approved

The Fitzgibbons Coal-Eighty Automatic has been awarded the CERTIFICATE OF APPROVAL of Anthracite Industries, Inc., after exhaustive tests in its laboratory at Primos, Pennsylvania.



For Ratings and Dimensions, See Page 7

RATINGS AND DIMENSIONS OF OIL-EIGHTY AND COAL-EIGHTY AUTOMATIC BOILERS

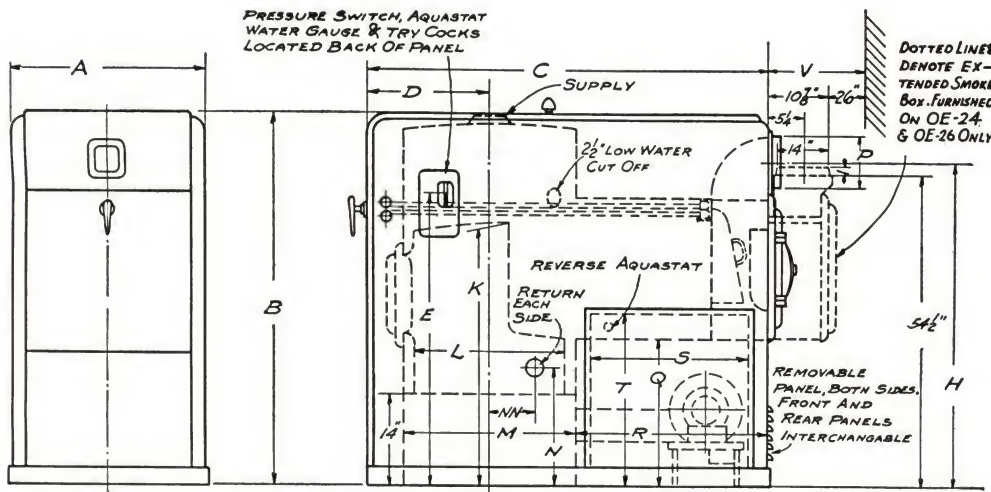


Diagram for Oil-Eighty Automatic Boiler

RATINGS

Ratings given in this catalog can be depended upon. They are the total radiation loads (taken at the boiler outlet) which the respective boilers will heat, with 2 lbs. pressure at the boiler for Steam, and 180° F. for Hot Water. Ratings are expressed in square feet of equivalent cast iron radiation, emitting 240 B.t.u. per sq. ft. per hour for Steam, and 150 B.t.u. per sq. ft. per hour for Hot Water.

Included with each boiler: flue brush and rod; steam gauge; water gauge, glass and gauge cocks; safety valve.

With boilers for hot water heating a special combination thermometer, altitude gauge and relief valve are supplied.

Oil-Eighty Boiler Number		OE4	OE5	OE6	OE7	OE9	OE11	OE13	OE15	OE18	OE20	OE24	OE26
Coal-Eighty Auto. Number		CA4	CA5	CA6	CA7	CA9	CA11	CA13	CA15	CA18	CA20	CA24	CA26
Rating—Steam	Sq. Ft.	425	510	612	714	901	1105	1326	1523	1800	2000	2400	2680
Rating—Hot Water	Sq. Ft.	680	816	979	1142	1441	1768	2121	2420	2820	3200	3840	4288
Heating Surface	Sq. Ft.	25	30	36	42	53	65	78	89	106	119	142	159
Furnace Volume (Less Base)	Cu. Ft.	3.2	3.2	4.4	4.4	6.2	6.2	8.6	8.6	11.3	11.3	14.7	14.7
Gross Base Volume	Cu. Ft.	3.0	3.0	3.6	3.6	4.6	4.6	5.7	5.7	6.5	6.5	8.3	8.3
Width—Bare Boiler	In.	21 1/2	21 1/2	23 1/2	23 1/2	26 1/2	26 1/2	29 1/2	29 1/2	29 3/4	29 3/4	29 3/4	29 3/4
A—Width—Overall	In.	24 1/2	24 1/2	26 1/2	26 1/2	29 1/2	29 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2
B—Height—Overall	In.	53	53	55	55	56 1/4	56 1/4	59	59	67 1/4	67 1/4	67 1/4	67 1/4
C—Length	In.	51 1/8	51 1/8	53 1/8	53 1/8	61 1/8	61 1/8	68 1/2	68 1/2	70 3/4	70 3/4	78 1/4	78 1/4
D—Location Supply	In.	15 5/8	15 5/8	16 5/8	16 5/8	18 1/8	18 1/8	19 5/8	19 5/8	21 3/8	21 3/8	25	25
E—Water Line	In.	41	41	44	44	44	44	47	47	54 1/2	54 1/2	54 1/2	54 1/2
H—Height of Smoke Outlet	In.	46 1/8	46 1/8	48 1/8	48 1/8	49 3/8	49 3/8	51 5/8	51 5/8	60	60		
I—Height of 1" Pipe Tap	In.	39 3/4	39 3/4	43	43	43	43	46	46	53 1/4	53 1/4	53 1/4	53 1/4
K—Comb. Chamber—Gun Burner	In.	37	37	39 1/4	39 1/4	40 3/4	40 3/4	43	43	51	51	51	51
L—Diameter	In.	18 3/8	18 3/8	20 3/8	20 3/8	23 3/8	23 3/8	26 3/8	26 3/8	29 7/8x26 3/8	29 7/8x26 3/8	37x26 3/8	37x26 3/8
M—Base Depth	In.	22 3/4	22 3/4	24 3/4	24 3/4	27 3/4	27 3/4	30 3/4	30 3/4	34 1/4	34 1/4	41 3/8	41 3/8
N—Height of Return	In.	16 3/4	16 3/4	17	17	17	17	17 1/2	17 1/2	18	18	18	18
NN—Location of Return	In.	5 3/4	5 3/4	6 1/2	6 1/2	7	7	7 3/4	7 3/4	9 1/2	9 1/2	13	13
P—Size of Smoke Pipe	In.	8	8	8	8	9	9	10	10	12	12	14	14
Q—Floor to Hor. Shell	In.	22 1/4	22 1/4	24 1/4	24 1/4	22 3/4	22 3/4	23 1/4	23 1/4	24	24	24	24
R—Base to Rear of Jacket	In.	23 3/8	23 3/8	23 3/8	23 3/8	29 1/8	29 1/8	32 3/4	32 3/4	31 1/2	31 1/2	31 7/8	31 7/8
S—Width Jacket Openings	In.	23	23	23	23	29 3/4	29 3/4	32 7/8	32 7/8	32	32	32	32
T—Height Jacket Openings	In.	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4
V—Space to Open Rear Doors	In.	20	20	20	20	23	23	25	25	26	26		
Size of Supply	In.	3	3	4	4	4	4	5	5	6	6	6	6
Size of Return	In.	2-2 1/2	2-2 1/2	2-3	2-3	2-3	2-3	2-3 1/2	2-3 1/2	2-4	2-4	2-4	2-4
Diam. of Chimney	In.	8	8	8	8	9	9	10	10	12	12	14	14
Height of Chimney	Ft.	25	25	30	30	35	35	40	40	45	45	50	50
Approx. Shipping Weight	Lbs.	965	985	1090	1120	1340	1390	1560	1690	2050	2100	2450	2540

CA and OE 24 and CA and OE 26 have extended smoke box like standard model.

FITZGIBBONS STOKER-EIGHTY

A RESIDENCE STEEL BOILER FOR BITUMINOUS COAL STOKERS

The design of this boiler is based on the findings of a thorough survey and study of mechanical stokers for Bituminous Coal. As a result, the Stoker-Eighty teams up perfectly with any good stoker to give an automatic heating unit that is efficient, easily cleaned, attractive and adaptable to modern automatic firing methods.

All Copper Steel Construction

Built entirely of Copper-Bearing Steel (plates and tubes) the boiler combines strength with life-time crack-proof rust-resisting durability.

High Combustion Chamber

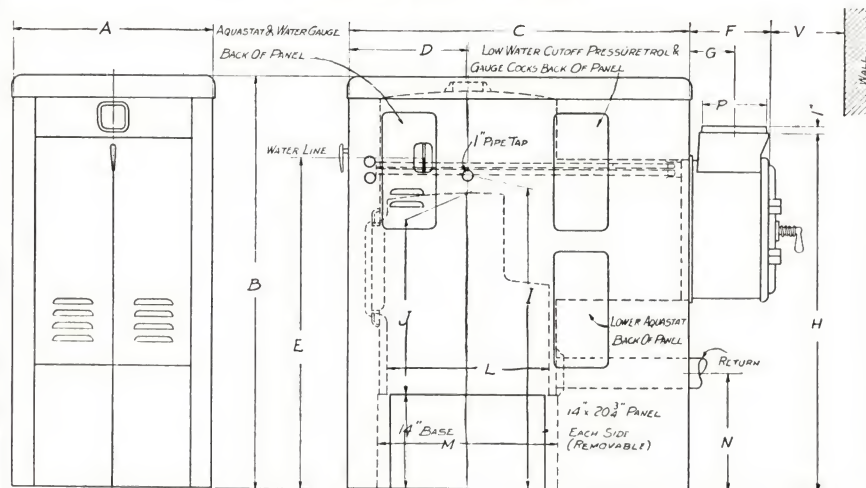
This feature provides ample room for complete combustion of the gases before they strike the crown sheet, even with the "long flame" coals. This means a degree of smokeless operation heretofore unobtainable. The 14-in. high base additionally helps to avoid the necessity of raising the boiler.

Insulating Jacket

The Stoker-Eighty is enclosed in a thickly insulated steel jacket extending all the way down to the floor. This prevents the escape of soot and ash, conserves heat and gives an attractive appearance.



RATINGS AND DIMENSIONS



STOKER-EIGHTY SPECIFICATIONS

Boiler Number		S-5	S-6	S-7	S-8	S-9	S-11	S-13	S-15
Rating—Steam	Sq. Ft.	485	600	720	840	960	1100	1300	1500
Rating—Hot Water	Sq. Ft.	776	960	1152	1344	1536	1760	2080	2400
Heating Surface	Sq. Ft.	29	36	43	50	57	65	77	89
Furnace Volume (Less Base)	Cu. Ft.	4.5	4.5	6.5	6.5	8.5	8.5	10.8	10.8
A—Width—Overall	In.	26 1/2	26 1/2	29 1/2	29 1/2	32 3/4	32 3/4	32 3/4	32 3/4
B—Height—Overall	In.	56 1/8	56 1/8	58 3/8	58 3/8	60 3/8	60 3/8	67	67
C—Length	In.	45	45	53 1/4	53 1/4	55 1/4	55 1/4	61	61
E—Water Line	In.	45 3/8	45 3/8	48 3/8	48 3/8	50 3/8	50 3/8	56 1/2	56 1/2
J—Height Firebox	In.	27 1/2	27 1/2	30	30	32	32	38	38
L—Diameter	In.	20 3/8	20 3/8	23 3/8	23 3/8	26 3/8	26 3/8	26 3/8	26 3/8
M—Base Depth	In.	23 3/4	23 3/4	26 3/4	26 3/4	30	30	30	30
N—Height of Return	In.	17 1/2	17 1/2	17 1/2	17 1/2	18 1/4	18 1/4	18 1/4	18 1/4
P—Size of Smoke Pipe	In.	9	9	9	9	10	10	12	12
V—Space to Open Rear Door	In.	20	20	20	20	23	23	25	25
Size of Supply	In.	4	4	4	4	5	5	5	5
Size of Return	In.	4	4	4	4	5	5	5	5
Diam. of Chimney	In.	9	9	9	9	10	10	12	12
Height of Chimney	Ft.	30	30	38	38	40	40	45	45
Approx. Shipping Weight	Lbs.	1040	1050	1350	1380	1560	1580	1700	1730

Specially placed removable panels permit access to tappings for the controls and allow placement of the stoker on either side or front. Machine finished and gasket sealed doors also prevent escape of soot.

Domestic Hot Water Supply

An abundant supply of hot water both summer and winter is furnished through the Fitzgibbons Tanksaver, a submerged copper coil. This is an instantaneous heater eliminating the storage tank. Special tank-heater coils can be furnished when requirements demand the use of a tank.

Easy to Clean

Because all combustion surfaces, including the straight unobstructed tubes, are readily accessible through large doors at both the rear and front, the boiler can be thoroughly cleaned in a few moments. It is thus possible to maintain the initial high efficiency for which this boiler is noted.

Steam, Vapor, Vacuum or Hot Water Types

Adaptable to any heating system, steam, vapor, vacuum or hot water, it is made in a range of sizes which suit perfectly the requirements of residential heating. Ratings are the full load that the boiler will carry but do not include provision for domestic hot water which must be added in accordance with usual practice.

Adaptable to Air Conditioning

The Stoker-Eighty is ideally suited to air conditioning should the home-owner decide to add this feature at a later date and will operate with high efficiency with the Fitzgibbonsaire, Fitzgibbonsaire Junior "split-system" air conditioners.

FITZGIBBONS R-Z-U JUNIOR STEEL BOILER

For Coal, Oil, Gas
or Stoker Firing

An adaptation of the famous Fitzgibbons R-Z-U Boiler, which has such widespread popularity in the field of larger buildings, the R-Z-U Junior is made in sizes suitable for large residential and smaller institutional, business, public, and apartment buildings. It brings to this field the same excellent heating performance and economy. In addition, it provides year 'round hot water supply—either with or without a storage tank. It is adapted for steam, vapor, vacuum, or hot water systems, and for burning anthracite and bituminous coals, or for mechanical firing with oil, gas or stoker.

The boiler may be equipped with the Fitzgibbons Tanksaver—a submerged copper coil which provides year 'round domestic hot water supply without the necessity for a storage tank. Where a tank is already installed, the boiler may be purchased with a Fitzgibbons Tankheater copper coil.

The units are exceptionally compact—largest size will pass through 31" doorway; medium and small sizes are less than 28" in overall width. Water line is low enough to allow boiler installation in rooms of ordinary height, without a pit. It has large doors and openings which facilitate installation of oil burners and stokers. Door edges and frames are machined for accurate fit. Extra large door at front makes tube cleaning easy.

Units can be supplied jacketed or unjacketed, as desired. Jacket is of heavy gauge steel, tastefully enameled in blue.

Grate—Grate supplied for coal burning is of regulation Fitzgibbons heavy-duty type. Grate bars are readily removable if desired to change from coal to oil or other automatic firing systems.

Auxiliary Grate—This is optional equipment with all oil-fired R-Z-U Junior Boilers. Can be used for hand firing in case of temporary shut-down of primary source of heat supply. Also provides means of refuse disposal.

Standard Equipment for Coal Burning—Included with each boiler for coal burning; iron base; rocking grates; bridge wall; fire tools, consisting of hoe, poker, slice bar; steel flue brush and rod; steam gauge; water column with water gauge; glass and gauge cocks; safety valve; damper regulator.

Standard Equipment for Oil, Gas or Stoker Firing—Included with each boiler for mechanical firing: Same as for Coal Burning, excepting rocking grates; bridge wall; fire tools; and damping regulator.

Note: When ordering for hot water heating, equipment furnished for both of above types in lieu of steam trimmings: altitude gauge; thermometer; relief valve; and damper regulator.

FOR COAL BURNING (HAND FIRED)

Boiler Number.....		RD-9	RD-10	RD-11	RD-12	RD-13	RD-17	RD-19	RD-21	RD-24	RD-29	RD-32
Rating—Steam—S. H. B. I.	Sq. Ft.	900	1000	1100	1275	1400	1700	1950	2100	2400	2900	3200
Rating—Hot Water.....	Sq. Ft.	1440	1600	1760	2040	2240	2720	3120	3360	3840	4640	5120
Heating Surface.....	Sq. Ft.	65	73	79	92	100	123	140	150	172	208	230
Grate Area.....	Sq. Ft.	5.3	5.7	6.2	7.1	7.8	8.1	8.8	9.2	10.2	12.4	13.5

FOR OIL, GAS OR STOKER-FIRING

Boiler Number.....		RM-11	RM-12	RM-13	RM-15	RM-16	RM-19	RM-23	RM-25	RM-29	RM-35	RM-39
Rating—Steam S. H. B. I.	Sq. Ft.	1100	1240	1340	1560	1700	2090	2380	2550	2920	3500	3900
Rating—Hot Water.....	Sq. Ft.	1760	1984	2144	2496	2720	3344	3808	4080	4672	5600	6240
Heating Surface.....	Sq. Ft.	65	73	79	92	100	123	140	150	172	208	230
Furnace Volume—Less Base.....	Cu. Ft.	11.0	11.8	12.5	14.1	15.1	16.5	17.7	18.3	21.7	42.5	27.9
Gross Base Volume.....	Cu. Ft.	7.8	8.5	9.1	10.3	11.1	11.4	12.3	12.7	14.0	16.6	17.9

THE FOLLOWING TABLE APPLIES TO COAL, OIL, GAS, OR STOKER-FIRING

Length of Firebox—Inside.....	In.	32 1/4	35 1/4	38 1/4	44 1/4	48 1/4	44 1/4	48 1/4	50 1/4	56 1/4	68 1/4	74 1/4
Width of Firebox—Inside.....	In.	23 1/4	23 1/4	23 1/4	23 1/4	23 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4
Height of Firebox.....	In.	21	21	21	21	21	21	21	21	23	23	23
A—Width.....	In.	26 5/8	26 5/8	26 5/8	26 5/8	26 5/8	29 3/8	29 3/8	29 3/8	29 3/8	29 3/8	29 3/8
B—Length.....	In.	48 3/4	51 3/4	54 3/4	60 3/4	64 3/4	61 3/4	65 3/4	67 3/4	73 3/4	85 3/4	91 3/4
C—Height.....	In.	59 1/4	59 1/4	59 1/4	59 1/4	59 1/4	66 3/4	66 3/4	66 3/4	68 3/4	68 3/4	68 3/4
D—Water Line.....	In.	51 1/4	51 1/4	51 1/4	51 1/4	51 1/4	58 3/4	58 3/4	58 3/4	60 3/4	60 3/4	60 3/4
E—Hgt. & End Brehg. Con. & Combust.....	In.	46 7/8	46 7/8	46 7/8	46 7/8	46 7/8	52 1/4	52 1/4	52 1/4	54 1/4	54 1/4	54 1/4
FxG—Size Breeching Connection.....	In.	8x17 1/4	8x17 1/4	8x17 1/4	8x17 1/4	8x17 1/4	9x23	9x23	9x23	9x23	9x23	9x23
H—Height Top Breeching Connection.....	In.	52	52	52	52	52	59 1/2	59 1/2	59 1/2	61 1/2	61 1/2	61 1/2
K—Top Breeching Connection.....	In.	7	7	7	7	7	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
L—Length Bare Boiler.....	In.	36 1/2	39 1/2	42 1/2	48 1/2	52 1/2	48 1/2	52 1/2	54 1/2	60 1/2	72 1/2	78 1/2
M—Length Smoke Box.....	In.	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4
N—Location Supply Opening.....	In.	18	20	21	24	26	24	26	27	30	36	40
Q—Height Return Opening.....	In.	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	17	17	17	17	17	17
R—Width of Base.....	In.	29 5/8	29 5/8	29 5/8	29 5/8	29 5/8	32 3/8	32 3/8	32 3/8	32 3/8	32 3/8	32 3/8
S—Length of Base.....	In.	39 1/2	42 1/2	45 1/2	51 1/2	55 1/2	51 1/2	55 1/2	57 1/2	63 1/2	75 1/2	81 1/2
Size Supply Opening.....	In.	4	4	4	5	5	5	5	5	5	6	6
Size Return Opening.....	In.	4	4	4	5	5	5	5	5	5	6	6
Diameter Stack.....	In.	12	12	12	12	12	16	16	16	16	18	18
Height Stack.....	Ft.	35	35	35	35	35	40	40	40	40	55	55
Diameter Breeching.....	In.	14	14	14	14	14	18	18	18	18	20	20
Approx. Covering—Un-jacketed Boilers.....	Sq. Ft.	39	41	43	48	50	54	58	60	67	78	83
Approx. Weight—Un-jacketed Boilers.....	Lbs.	1790	1875	1960	2140	2200	2445	2590	2700	3025	3455	3745

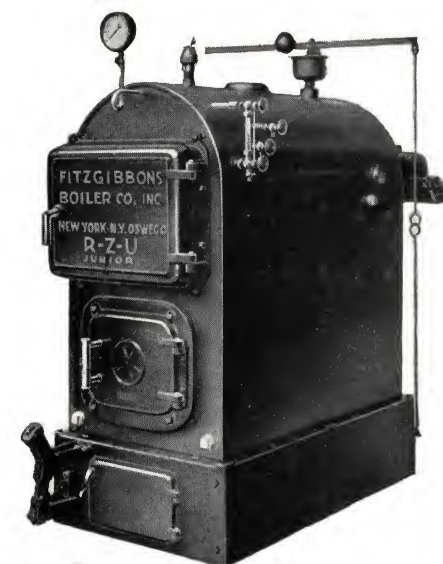
RATINGS—Ratings are the total radiation loads (taken at the boiler outlet) which the respective boilers will heat, with 2 lbs. pressure at the boiler for Steam and 180° F. for Hot Water.

Ratings are expressed in square feet of equivalent cast-iron radiation, emitting 240 B.t.u. per sq. ft. per hour for Steam, and 150 B.t.u. per sq. ft. per hour for Hot Water.

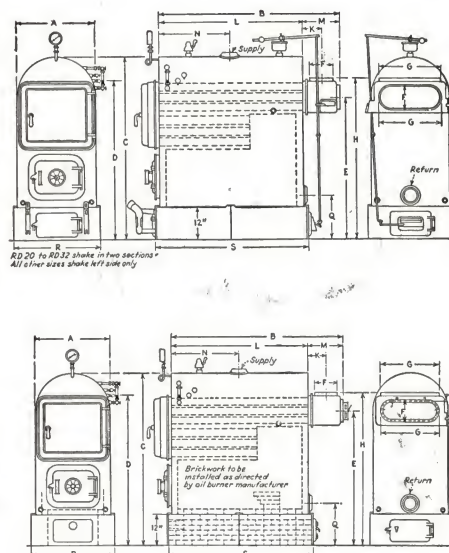
Boiler ratings quoted do not provide for hot water supply, additional capacity must be figured.



R-Z-U Junior—Jacketed



R-Z-U Junior—Without Jacket





FITZGIBBONS R-Z-U FIRE BOX BOILERS

For Superior Heating Service—With Any Fuel—In Any Type of Heating System

The Fitzgibbons R-Z-U Boiler is specially adapted to space conditions where a rear smoke outlet is required. Such characteristics as all-welded steel construction cylindrical shell, quick steaming, thorough combustion, long flue travel, high efficiency of heat transfer and remarkable fuel economies have won for the R-Z-U a wide reputation as possessing every qualification for superior heating service with any fuel in any heating system.

Combustion—As proportioned for the burning of various fuels, the dimensions of the R-Z-U firebox provide that area and form which insure complete burning of every particle of combustible gas.

For the burning of coal or coke, the grates are designed to freely admit adequate primary air, while the intake of secondary air provides the proper quantity of oxygen over the top of the fire bed to force the fuel to give up every available unit of its latent heat. The secondary air stream drawn into the fire-box is mingled with a swirling rush of hot gases arising from the fire bed, directed to some extent by the form of the combustion chamber. This mixture immediately becomes heated to the point where complete combustion can take place with the consequent release of additional heat units. The secondary air stream and gas mixture is drawn over the entire length of the fire bed and in the course of the long journey, cannot fail to perform its function.

In stoker firing, the form and area of the R-Z-U combustion chamber again lends itself to best possible efficiency, while for oil or gas firing it achieves practically ideal conditions.

Water Circulation—The design of the R-Z-U sets up a THERMO-SYPHONIC circulation of water—a progressive movement so rapid and so positive that it provides a scrubbing action that brushes the bubbles of steam from the fire tubes, thus promoting rapid steaming and retarding settlement of sediment anywhere but at the lowest levels of the water walls, from which it can be readily removed through openings provided.

Crown sheet construction is not only conducive to free and rapid water circulation, but also exposes a large surface area together with the water walls to the direct action of radiant heat. Further, it causes the gases to mushroom out to the sides, throwing its heat into the water walls as well as directly upward in the center of the boiler. Thus, the water is heated uniformly throughout the entire width of the boiler.

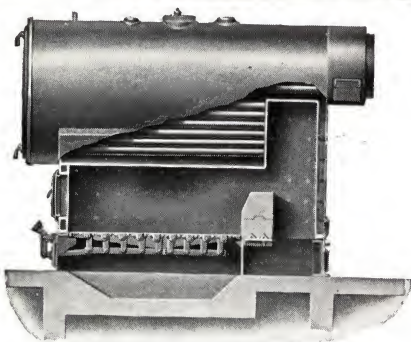
Long flue travel and many tubes give full and adequate heat transfer surface.

Grates—These are of selected, clean gray iron, machined to accurate fit, and sections of the same type are interchangeable, easy to dismount and replace. The rocking grate is standard for commercial sizes of anthracite, bituminous, and for coke. For smaller sizes of anthracite, the dumping grate can be obtained.

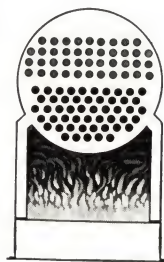
R-Z-U Smokeless Boiler

To burn bituminous coal smokelessly, the prime essential is the proper admixture of secondary air. The success of the R-Z-U Smokeless Boiler in this respect is due to the position and form of the baffle shown in the illustration below. This baffle causes turbulence in the action of the hot gases, which thus become thoroughly mixed with the secondary air drawn into the firebox. This mixture passes over and through the bed of live fire, causing carbon in suspension—the cause of smoke—to be completely consumed.

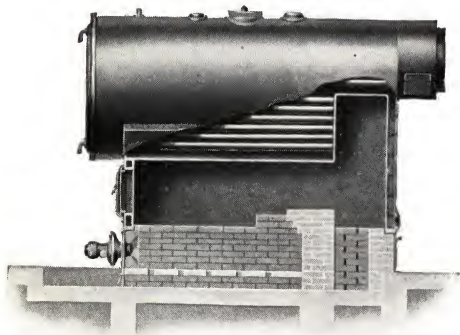
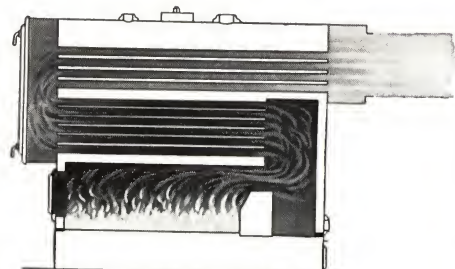
This baffle can be readily removed, adapting the boiler to new fuels.



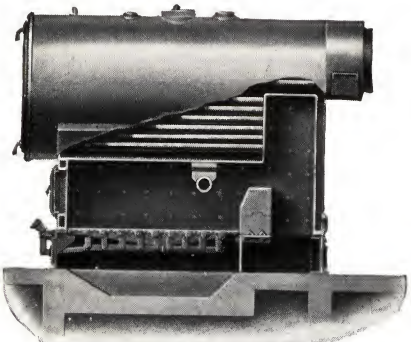
R-Z-U for Hard Coal



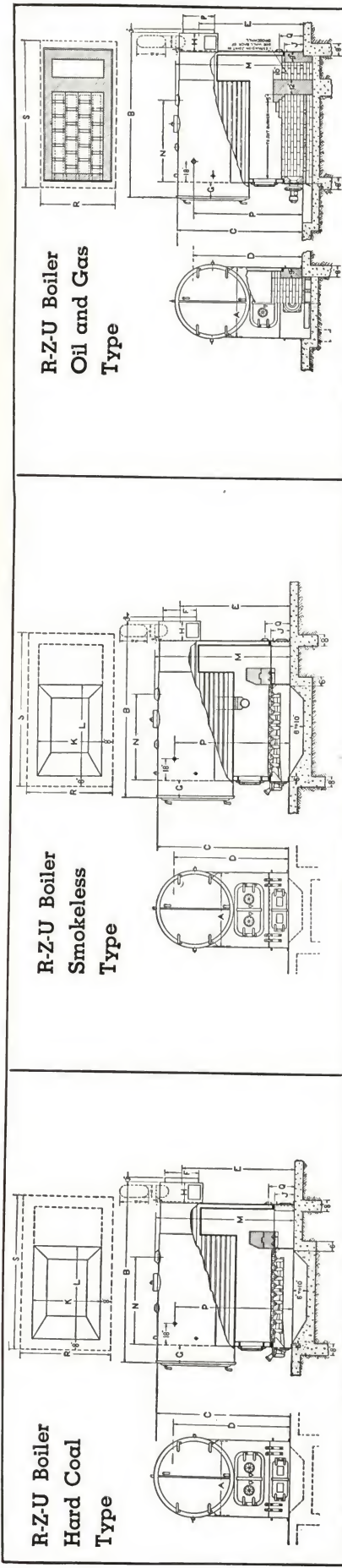
A graphic illustration of the long, "back-and-forth" gas travel, characteristic of the R-Z-U Boiler. Notice, in the end views, how the R-Z-U crown sheet naturally distributes heat over the entire width of the boiler.



R-Z-U for Oil or Gas



R-Z-U Smokeless-Bituminous



R-Z-U BOILER — HARD COAL TYPE

Boiler Number	RD18	RD22	RD26	RD30	RD35	RD40	RD45	RD50	RD60	RD70	RD85	RD100	RD125	RD150	RD175	RD200	RD250	RD300	RD350
S.H.B.I. Steam Rating.....	1800	2200	2600	3000	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Hot Water Rating.....	2880	3520	4160	4800	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Heating Surface.....	129	158	186	215	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Grate Area.....	7.9	8.9	9.7	10.5	11.4	12.2	13.4	14.5	16.4	18.1	20.5	22.5	25.6	28.4	30.9	33.2	37.4	41.2	44.7
A—Width (Inside Diam. of Shell).....	30	30	36	36	36	36	36	42	48	48	54	54	60	60	66	72	78	84	84
B—Length Boiler.....	75 1/4	87 1/4	77 1/4	87 1/4	95 1/4	105 1/4	95 1/4	102 1/4	98 1/4	109 1/4	109 1/4	123 1/4	127 1/4	146 1/4	149 1/4	145 1/4	152 1/4	155 1/4	174 1/4
C—Height.....	66	66	72	72	72	72	72	81 1/4	87 3/8	87 3/8	93 3/8	93 3/8	102 3/8	102 3/8	111 3/8	103 3/8	123 3/8	129 1/2	129 1/2
D—Water Line.....	58	58	64	64	64	64	64	72 1/4	76 3/8	76 3/8	81 3/8	81 3/8	89 3/8	89 3/8	97 3/8	103 3/8	106 3/8	111 1/2	111 1/2
E—Floor to C. L. Rear Smoke Outlet.....	57	57	62	62	62	62	70	70	72	72	78	78	85	85	93	97	102	105	105
F—Diam. Rear Smoke Outlet.....	16	16	20	20	20	20	22	22	26	26	28	28	30	30	32	34	36	40	40
M—Height Steam Opening.....	67 1/2	67 1/2	73 1/2	73 1/2	73 1/2	73 1/2	82 3/4	82 3/4	89	89	95	95	104	104	113	119	125 1/2	131 1/2	131 1/2
R—Width of Foundation.....	39	39	45	45	45	45	51	51	57	57	63	63	69	69	75	81	87	93	93
S—Length of Foundation.....	63	75	63	73	81	91	80	87	83	94	92	106	106	125	125	120	127	128	147

No Bridgwall Furnished on the Following Size Boilers: RD-18, RD-22, RD-26, RD-30, RD-35, RD-45, RD-50, RD-60.

R-Z-U BOILER — SMOKELESS TYPE

Boiler Number	RV18	RV22	RV26	RV30	RV35	RV40	RV45	RV50	RV60	RV70	RV85	RV100	RV125	RV150	RV175	RV200	RV250	RV300	RV350
S.H.B.I. Steam Rating.....	1800	2200	2600	3000	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Hot Water Rating.....	2880	3520	4160	4800	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Heating Surface.....	129	158	186	215	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Grate Area.....	7.9	8.9	9.7	10.5	11.4	12.2	13.4	14.5	16.4	18.1	20.5	22.5	25.6	28.4	30.9	33.2	37.4	41.2	44.7
A—Width (Inside Diam. of Shell).....	30	30	36	36	36	36	36	42	48	48	54	54	60	60	66	72	78	84	84
B—Length Boiler.....	75 1/4	87 1/4	77 1/4	87 1/4	95 1/4	105 1/4	95 1/4	102 1/4	98 1/4	109 1/4	109 1/4	123 1/4	127 1/4	146 1/4	149 1/4	145 1/4	152 1/4	155 1/4	174 1/4
C—Height.....	66	66	72	72	72	72	72	81 1/4	87 3/8	87 3/8	93 3/8	93 3/8	102 3/8	102 3/8	111 3/8	103 3/8	123 3/8	129 1/2	129 1/2
D—Water Line.....	58	58	64	64	64	64	64	72 1/4	76 3/8	76 3/8	81 3/8	81 3/8	89 3/8	89 3/8	97 3/8	103 3/8	106 3/8	111 1/2	111 1/2
E—Floor to C. L. Rear Smoke Outlet.....	57	57	62	62	62	62	70	70	72	72	78	78	85	85	93	97	102	105	105
F—Diam. Rear Smoke Outlet.....	16	16	20	20	20	20	22	22	26	26	28	28	30	30	32	34	36	40	40
M—Height Steam Opening.....	67 1/2	67 1/2	73 1/2	73 1/2	73 1/2	73 1/2	82 3/4	82 3/4	89	89	95	95	104	104	113	119	125 1/2	131 1/2	131 1/2
R—Width of Foundation.....	39	39	45	45	45	45	51	51	57	57	63	63	69	69	75	81	87	93	93
S—Length of Foundation.....	63	75	63	73	81	91	80	87	83	94	92	106	106	125	125	120	127	128	147

No Bridgwall Furnished on the Following Size Boilers: RV-18, RV-22, RV-26, RV-30, RV-35, RV-45, RV-50, RV-60.

R-Z-U BOILER — OIL, GAS AND STOKER TYPE

Boiler Number	RM21	RM27	RM31	RM36	RM42	RM48	RM54	RM61	RM72	RM86	RM103	RM121	RM151	RM182	RM212	RM242	RM303	RM364	RM425
S.H.B.I. Steam Rating.....	2190	2680	3160	3650	4250	4860	5470	6080	7290	8500	10330	12150	15180	18220	21250	24290	30360	36430	42500
S.H.B.I. Hot Water Rating.....	3500	4280	5050	5840	6800	7770	8750	9720	11660	13600	16520	19440	24280	29150	34000	38860	48570	58280	68000
Heating Surface.....	129	158	186	215	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Grate Area.....	7.9	8.9	9.7	10.5	11.4	12.2	13.4	14.5	16.4	18.1	20.5	22.5	25.6	28.4	30.9	33.2	37.4	41.2	44.7
A—Width (Inside Diam. of Shell).....	30	30	36	36	36	36	36	42	48	48	54	54	60	60	66	72	78	84	84
B—Length Boiler.....	75 1/4	87 1/4	77 1/4	87 1/4	95 1/4	105 1/4	95 1/4	102 1/4	98 1/4	109 1/4	109 1/4	123 1/4	127 1/4	146 1/4	149 1/4	145 1/4	152 1/4	155 1/4	174 1/4
C—Height.....	66	66	72	72	72	72	72	81 1/4	87 3/8	87 3/8	93 3/8	93 3/8	102 3/8	102 3/8	111 3/8	103 3/8	123 3/8	129 1/2	129 1/2
D—Water Line.....	58	58	64	64	64	64	64	72 1/4	76 3/8	76 3/8	81 3/8	81 3/8	89 3/8	89 3/8	97 3/8	103 3/8	106 3/8	111 1/2	111 1/2
E—Floor to C. L. Rear Smoke Outlet.....	57	57	62	62	62	62	70	70	72	72	78	78	85	85	93	97	102	105	105
F—Diam. Rear Smoke Outlet.....	16	16	20	20	20	20	22	22	26	26	28	28	30	30	32	34	36	40	40
M—Height Steam Opening.....	67 1/2	67 1/2	73 1/2	73 1/2	73 1/2	73 1/2	82 3/4	82 3/4	89	89	95	95	104	104	113	119	125 1/2	131 1/2	131 1/2
R—Width of Foundation.....	39	39	45	45	45	45	51	51	57	57	63	63	69	69	75	81	87	93	93
S—Length of Foundation.....	63	75	63	73	81	91	80	87	83	94	92	106	106	125	125	120	127	128	147

R-Z-U
High Furnace
Boiler

FITZGIBBONS STEEL BOILERS

R-Z-U High Furnace Boiler—Stoker Type

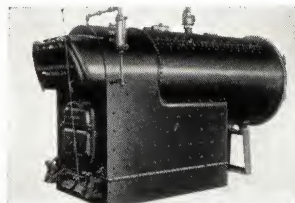
Boiler Number	S-21	S-26	S-31	S-36	S-42	S-48	S-54	S-60	S-72	S-85	S-103	S-121	S-151	S-182	S-212	S-242	S-303	S-364	S-425
S. H. B. I. Steam Rating	2190	2680	3160	3650	4250	4860	5470	6080	7290	8500	10330	12150	15180	18220	21250	24290	30360	36430	42500
S. H. B. I. Hot Water Rating	3500	4280	5050	5840	6800	7770	8750	9720	11660	13600	16520	19440	24280	29150	34000	38860	48570	58280	68000
Width (Inside Dia. Shell)	30	30	36	36	36	36	42	42	42	48	54	54	60	60	66	66	72	78	84
Length Boiler	73 1/4	84 1/4	73 1/4	81 1/4	90 1/4	98 1/4	91 1/4	98 1/4	113 1/4	105 1/4	106 1/4	119 1/4	121 1/4	139 1/4	143 1/4	158 1/4	165 1/4	167 1/4	166 1/4
Height	74 1/4	76 1/4	83	84	86	87	93 1/4	94 1/4	95 1/4	100 3/8	109 3/8	114 3/8	126 3/8	128 3/8	137 3/8	141 1/8	152 3/8	172 3/8	184 1/2
Approx. Shpg. Wt. Lbs.	2800	3200	3300	3400	4000	4500	5000	5600	6100	6800	8100	9300	10800	12600	16700	18500	19700	23400	28000

Standard Equipment included with each boiler; Steel Base; Flue Brush and Rod; Steam Gauge; Water Column with Water Gauge and Compression Tri Cocks; Safety Valve. No trimmings furnished for Hot Water Boilers.

Z-U Firebox Boilers—Updraft Type

Boiler Number	D18	D22	D26	D30	D35	D40	D45	D50	D60	D70	D85	D100	D125	D150	D175	D200	D250	D300	D350
S.H.B.I. Steam Rating	1800	2200	2600	3000	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Hot Water Rating	2880	3520	4160	4800	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Heating Surface	129	158	186	215	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Grate Area	7.9	8.9	9.7	10.5	11.4	12.2	13.4	14.5	16.4	18.1	20.5	22.5	25.6	28.4	30.9	33.2	37.4	41.2	44.7
Width (Inside Dia. Shell)	30	30	36	36	36	36	42	42	48	48	54	54	60	60	66	72	78	84	84
Length Boiler	5-7 1/4	6-9 1/4	5-7 1/4	6-4 1/4	7-3 1/4	8-2 1/4	7-7 1/4	8-3 1/4	7-9 1/4	8-10 1/4	8-9 1/4	10-0 1/4	10-2 1/4	11-10 1/4	11-11 1/4	11-6 1/4	12-2 1/4	12-4 1/4	14-0 1/4
Height	62	62	68	68	68	72 1/2	72 1/2	80 1/2	80 1/2	86 1/2	86 1/2	86 1/2	95 1/2	95 1/2	103 1/2	111 1/2	117 1/2	123 1/2	123 1/2
Approx. Shipping Wt. Lbs.	2600	2900	3200	3400	3600	4000	4800	5100	6300	7200	8100	9100	10800	11900	14700	16700	18900	22900	25500

Standard Equipment with Each Boiler for Coal Burning; Steel Base; Rear Stand; Rocking Grates; Fire Tools Consisting of Hoe, Poker, Slice Bar, Flue Brush and Rod; Steam Gauge; Water Column with Water Gauge and Compression Tricocks; Safety Valve and Damper Regulator. No trimmings furnished for Hot Water Boilers.



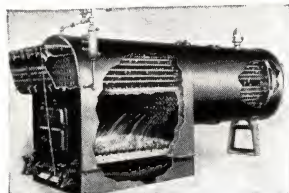
Standard Equipment

Included with each boiler; steel base; flue brush and rod; steam gauge; water column including water gauge, glass and gauge cocks; and safety valve.

No trimmings furnished for Hot Water Boilers.

Z-U Boilers

500 Series Welded Return Tubular Firebox Boiler—15 Lbs. W.S.P.—A.S.M.E. Code



500 Series Boilers

Boiler Number	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589
S.H.B.I. Steam Rating	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Water Rating	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Diameter of Boiler	42	42	42	48	48	48	54	54	60	60	66	66	72	78	78
Length of Boiler	7-7	8-4	9-4	7-10	9-1	10-4	10-8	12-2	12-1	14-1	14-3	15-11	16-4	16-9	19-1
Heating Surface	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Ht. overall from floor line	71	71	71	77	77	77	83	83	92	92	100	100	106	112	112
Approx. Shipping Wt. Lbs.	4900	5100	5600	6300	6900	8100	8700	9800	11800	13100	14000	17500	20800	23800	26200

700 Series Riveted Return Tubular Firebox Boilers—15 Lbs. W.S.P.—A.S.M.E. Code

With 3" Direct and 3" Return Tubes

Boiler Number	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715
S.H.B.I. Steam Rating	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Water Rating	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Diameter of Boiler	42	42	42	48	48	48	54	54	60	60	66	66	72	78	84
Length of Boiler	8-0	8-10	9-10	8-4	9-8	10-1	10-9	10-8	12-2	12-10	13-2	14-6	13-7	14-7	16-8
Ht. overall from floor line	74	74	74	80	80	86	86	86	95	95	103	103	109	115	121
Approx. Shipping Wt. Lbs.	6000	6500	7000	7900	8600	8800	10800	12400	14700	17300	19400	20200	23800	26900	32400

Built with 4" Direct and 3" Return Tubes

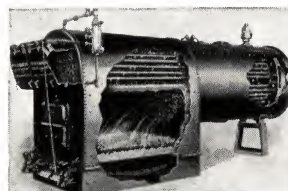
Boiler Number	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730
S.H.B.I. Steam Rating	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Water Rating	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Diameter of Boiler	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler	8-6	9-6	10-7	8-8	10-2	10-2	11-5	10-10	12-10	13-2	14-3	15-7	14-0	15-1	17-5
Ht. overall from floor line	74	74	74	80	80	86	86	95	95	103	103	109	115	121	121
Approx. Shipping Wt. Lbs.	6100	6600	7100	8000	8800	9000	11000	12600	15000	17700	19900	20700	24500	27700	30500

Built with 4" Direct and 4" Return Tubes

Boiler Number	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745
S.H.B.I. Steam Rating	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Water Rating	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Diameter of Boiler	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler	9-8	10-9	12-0	9-11	11-8	10-8	12-6	11-9	14-4	14-4	16-4	15-7	16-3	17-4	19-8
Ht. overall from floor line	74	74	74	80	80	86	86	95	95	103	103	109	115	121	121
Approx. Shipping Wt. Lbs.	6400	7000	7500	8400	9400	9400	11600	13200	15900	18700	21000	22100	26000	29800	32900

Standard Equipment with Each Boiler for Coal Burning; Steel Base; Rear Stand; Rocking Grates; Fire Tools Consisting of Hoe, Poker, Slice Bar, Flue Brush and Rod; Steam Gauge; Water Column with Water Gauge and Compression Tricocks; Safety Valve and Damper Regulator. No Trimmings Furnished for Hot Water Boilers.

700 Series Boilers



FITZGIBBONS STEEL BOILERS

F Series Riveted Firebox Boilers—100 Lbs. W.S.P.; A.S.M.E. Code

Boiler Number.....	F-13	F-16	F-19	F-22	F-25	F-29	F-32	F-36	F-43	F-50	F-61	F-72	F-89	F-107
Rated Horsepower.....	13	16	19	22	25	29	32	36	43	50	61	72	89	107
S. H. B. I. Steam Rating . . . Sq. Ft.	1800	2200	2600	3000	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000
Diameter of Boiler In.	36	36	36	42	42	48	48	48	54	54	60	60	66	66
Length of Boiler Ft.-In.	8-9	10-4	11-9	10-1	11-6	10-10	12-1	12-11	11-8	13-3	13-3	15-1	15-4	18-1
Ht. Overall from Floor Line . . In.	66	66	66	72	72	78	78	78	84	84	91	94	100	100
Approx. Shipping Weight Lbs.	4500	5500	6000	6500	7500	8000	9000	9500	11000	12500	14800	17000	20800	24500

Standard Equipment with Each Boiler for Coal Burning; Steel Base, Rear Stand, Rocking Grates; Fire Tools Consisting of Hoe, Poker, Slice Bar; Flue Brush and Rod; Steam Gauge, Water Column with Water Gauge and Compression Tri-cocks and Safety Valve.

P Series Riveted Return Tubular Firebox Boilers—100 Lbs. W.S.P.; A.S.M.E. Code

Built with 3" Direct and 3" Return Tubes

Boiler Number.....	P-25	P-29	P-32	P-36	P-43	P-50	P-61	P-72	P-89	P-107	P-125	P-143	P-179	P-214	P-250
Rated Horsepower.....	25	29	32	36	43	50	61	72	89	107	125	143	179	214	250
S.H.B.I. Steam Rating . . . Sq. Ft.	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Diameter of Boiler In.	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler Ft.-In.	7-10	8-10	9-10	8-6	9-11	10-6	11-3	11-6	13-11	13-2	15-0	13-9	15-1	15-6	17-6
Ht. Overall from Floor Line . In.	77	77	77	83	83	89	89	98	98	106	106	112	118	127	127
Approx. Shipping Wt. Lbs.	7500	8000	9000	9500	11000	12000	14000	15500	18000	20500	22500	25000	29000	32500	36000

With 4" Direct and 3" Return Tubes

Boiler Number.....	P-25	P-29	P-32	P-36	P-43	P-50	P-61	P-72	P-89	P-107	P-125	P-143	P-179	P-214	P-250
Rated Horsepower.....	25	29	32	36	43	50	61	72	89	107	125	143	179	214	250
S.H.B.I. Steam Rating . . . Sq. Ft.	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Diameter of Boiler In.	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler Ft.-In.	8-4	9-6	10-7	8-9	10-3	10-10	12-0	12-0	14-8	13-8	15-8	14-4	15-9	16-2	18-5
Ht. Overall from Floor Line . In.	77	77	77	83	83	89	89	98	98	106	106	112	118	127	127
Approx. Shipping Wt. Lbs.	8000	8500	9500	10000	11500	13000	14500	16500	19000	21500	24000	26500	31000	35000	39000

With 4" Direct and 4" Return Tubes

Boiler Number.....	P-25	P-29	P-32	P-36	P-43	P-50	P-61	P-72	P-89	P-107	P-125	P-143	P-179	P-214	P-250
Rated Horsepower.....	25	29	32	36	43	50	61	72	89	107	125	143	179	214	250
S.H.B.I. Steam Rating . . . Sq. Ft.	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Diameter of Boiler In.	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler Ft.-In.	9-9	11-1	12-4	10-3	12-0	11-7	13-9	13-9	16-9	15-1	17-2	16-2	18-0	19-0	21-8
Ht. Overall from Floor Line . In.	77	77	77	83	83	89	89	98	98	106	106	112	118	127	127
Approx. Shipping Wt. Lbs.	8500	9000	10000	10500	12000	13500	15500	17000	20000	23000	25500	28500	33500	38000	42000

600 Series Riveted Return Tubular Firebox Boilers—15 Lbs. W.S.P.; A.S.M.E. Code

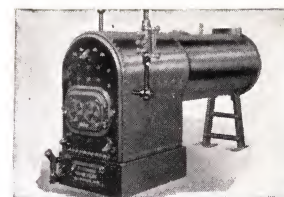
Boiler Number.....	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649
S.H.B.I. Steam Rating . . . Sq. Ft.	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
S.H.B.I. Water Rating . . . Sq. Ft.	5600	6400	7200	8000	9600	11200	13600	16000	20000	24000	28000	32000	40000	48000	56000
Diameter of Boiler In.	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler Ft.-In.	8-0	8-9	9-9	8-5	9-8	11-1	12-7	12-2	14-3	14-7	16-5	16-0	16-8	17-8	20-1
Heating Surface Sq. Ft.	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Ht. Overall from Floor Line . In.	79	79	79	84	84	87	87	99	99	103	103	109	115	121	121
Approx. Shipping Wt. Lbs.	6600	6900	7500	8300	9600	10800	11700	14400	16100	19500	21200	23400	27800	31800	38300

Standard Equipment with Each Boiler for Coal Burning; Steel Base, Rear Stand, Rocking Grates; Fire Tools Consisting of Hoe, Poker, Slice Bar; Flue Brush and Rod, Water Grate Scraper and Rod, Socket Wrench, Steam Gauge, Water Column with Water Gauge and Compression Tri-cocks, Safety Valve, Damper Regulator and Special Tile to Fit First Course of Header. No Trimming Furnished for Hot Water Boilers.

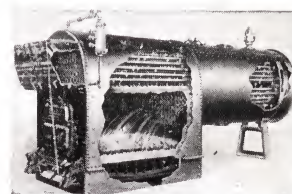
800 Series Riveted Return Tubular Firebox Boilers—100 Lbs. W.S.P.; A.S.M.E. Code

Boiler Number.....	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849
Rated Horsepower.....	25	29	32	36	43	50	61	72	89	107	125	143	179	214	250
S.H.B.I. Steam Rating . . . Sq. Ft.	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Diameter of Boiler In.	42	42	42	48	48	54	54	60	60	66	66	72	78	84	84
Length of Boiler Ft.-In.	8-0	8-10	9-9	9-5	10-11	11-7	13-8	13-9	16-7	15-1	17-1	16-5	18-3	19-3	21-10
Heating Surface Sq. Ft.	250	286	322	358	429	500	608	715	893	1072	1250	1429	1786	2143	2500
Ht. Overall from Floor Line . In.	82	82	82	87	87	90	90	102	102	106	106	112	118	127	127
Approx. Shipping Wt. Lbs.	7000	8000	8500	9000	10500	13000	15000	17000	20000	23000	25500	28000	33500	38500	43000

Standard Equipment with Each Boiler for Coal Burning; Steel Base, Rear Stand, Rocking Grates; Fire Tools Consisting of Hoe, Poker, Slice Bar; Flue Brush and Rod, Water Grate Scraper and Rod, Socket Wrench, Steam Gauge, Water Column with Water Gauge and Compression Tri-cocks, Safety Valve and Special Fire Tile to Fit Course of Header.

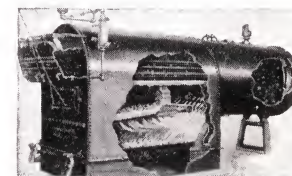


"F" Series Boilers



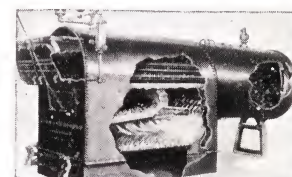
"P" Series Boilers

Standard Equipment with Each Boiler for Coal Burning; Steel Base; Rear Stand; Rocking Grates; Fire Tools Consisting of Hoe, Poker, Slice Bar; Flue Brush and Rod; Steam Gauge; Water Column with Water Gauge and Compression Tri-cocks and Safety Valve.



600 Series Boilers

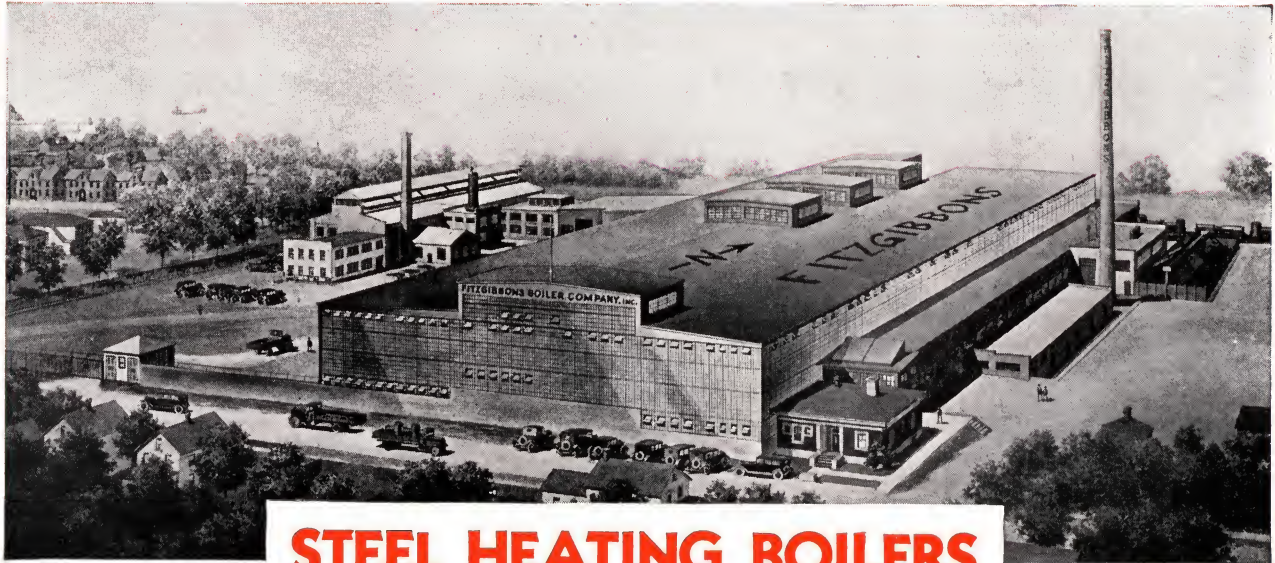
635 to 639 Built with 3" Direct and 3" Return Tubes; 640 to 649 Built with 4" Direct and 4" Return Tubes.



800 Series Boilers

835 to 839 Built with 3" Direct and 3" Return Tubes; 840 to 849 Built with 4" Direct and 4" Return Tubes.

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We are always ready and glad to assist Owners, Architects, Heating Engineers, Contractors, Builders and Dealers in selecting the right type and size of boiler for any heating job and in working out specific boiler applications. Particularly where hot water service is involved we are confident we can be of real help. Our long and comprehensive experience in the heating field assures you of authoritative recommendations. Avail yourself of this cooperation without hesitation for it involves no obligation.

If you have a heating project, residential, commercial or industrial, you will find in the FITZGIBBONS line *just the right boiler or air conditioner to meet the requirements.* This holds true for any size of project, for any kind of fuel and for any heating system, and applies equally to new projects and to modernization.

And the name "FITZGIBBONS" on the boiler or air-conditioner you select does more than indicate the maker. It means that the boiler embodies the experience, the refinements and the perfection of a half century of aggressive steel boiler manufacturing and progressive development. It is your guarantee of the same quality, the same high efficiency and the same operating economy that have satisfied thousands upon thousands of owners and have won and held the esteem of the entire heating profession.

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